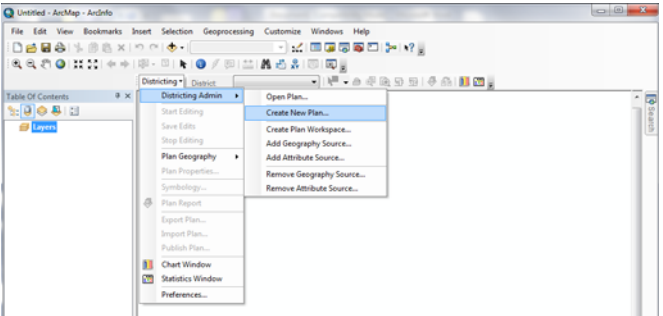
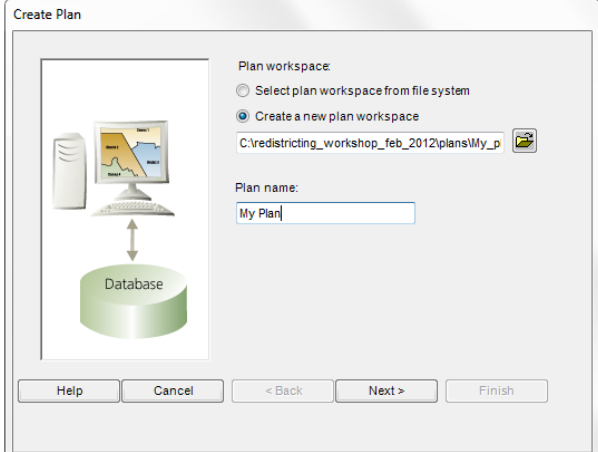
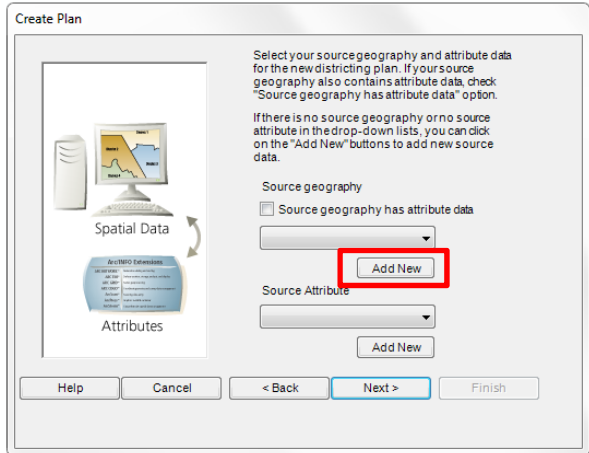


Redistricting Workshop – How to Use the Districting Toolbar in ArcGIS

<ol style="list-style-type: none"> 1. Open the Districting Toolbar by right-clicking in the menu bar area of the screen (top right) within ArcGIS and select Districting 2. From the Districting toolbar click Districting -> Districting Admin -> Create New Plan... 	
<ol style="list-style-type: none"> 3. From the Create Plan window select Create a new plan workspace and then navigate to the Plans folder in the C:\redistricting_workshop_feb_2012 \ folder. 4. Provide a name for your plan 5. Click Next 	
<ol style="list-style-type: none"> 6. Click the Add New Button for the Source Geography 	
<ol style="list-style-type: none"> 7. From the Geographic data source type drop down menu select File 	

Geodatabase Featureclass

- For the Source Geogaphy Data source navigate to the data_ct_towns geodabase in the plans folder (icon that looks like a soup can) and double click on the data_ct_towns file and then select ct_towns_2010 and click Add
- Enter CT Towns as the Source geography name
- Click OK

Source geography has attribute data

Select your source geography and attribute data for the new districting plan. If your source geography also contains attribute data, check "Source geography has attribute data" option.

If there is no source geography or no source attribute in the drop-down lists, you can click on the "Add New" buttons to add new source data.

Source geography

Source geography has attribute data

Source Attribute

< Back Next > Finish

OK Cancel

- Click the Add New button for the Source Attribute

Select your source geography and attribute data for the new districting plan. If your source geography also contains attribute data, check "Source geography has attribute data" option.

If there is no source geography or no source attribute in the drop-down lists, you can click on the "Add New" buttons to add new source data.

Source geography

Source geography has attribute data

Source Attribute

Help Cancel < Back Next > Finish

- From the Source attribute data source type: drop down menu select File Geodatabase Table
- For the Attribute data source: navigate to the data_ct_towns geodabase in the plans folder (icon that looks like a soup can) and double click on the data_ct_towns file and then select ct_town_data and click Add
- For the Attribute table name: enter Redistricting data
- For the Universe field (E.G., Total): select the total population column (look at Codebook to determine correct column)
- For the Optimal value field: select the column of data that you want to examine

Specify a plan workspace to add this source

Source attribute data source type

File Geodatabase Table

Attribute data source

C:\redistricting_workshop_feb_2012\plans\data_ct_towns

Attribute table name

ct_data

Source attribute key field name

GEOID10

Universe field (E.g., Total)

DP0010001

Optimal value field

Res_VR_10

Source attribute description

Source geography

Source geography has attribute data

Source Attribute

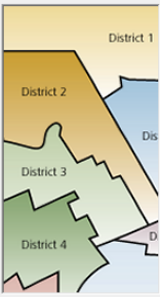
< Back Next > Finish

OK Cancel

17. Click OK
18. Then Click Next

19. Select the number of districts you want to create
20. Click Next

Create Plan



District caption:
District

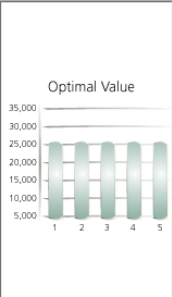
Number of districts:
5

Help Cancel < Back Next > Finish

21. This screen will provide the optimal number based on the number of classes
22. Click Next

Create Plan

The optimal target value:
86679



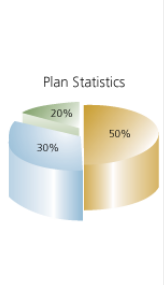
Optimal Value

Help Cancel < Back Next > Finish

23. This is optional, you can select additional variables to have summary statistics for as you generate your districts
24. Click Finish

Create Plan

Check the fields you want to calculate sum and percentage values for each district



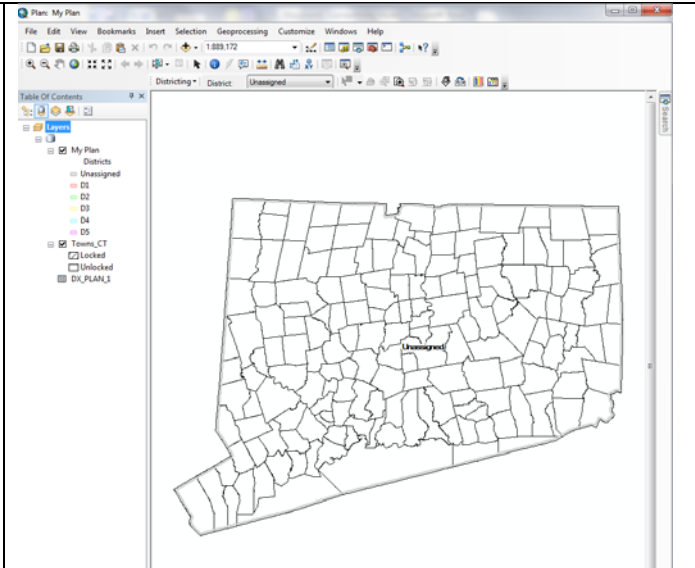
Plan Statistics

Field Name	Sum	Percent
Dem_VR_10	<input type="checkbox"/>	<input type="checkbox"/>
Min_VR_10	<input type="checkbox"/>	<input type="checkbox"/>
UA_VR_10	<input type="checkbox"/>	<input type="checkbox"/>
Tot_VR_10	<input type="checkbox"/>	<input type="checkbox"/>
Rep_Prez_0	<input type="checkbox"/>	<input type="checkbox"/>
Dem_Prez_0	<input type="checkbox"/>	<input type="checkbox"/>
WL_Prez_08	<input type="checkbox"/>	<input type="checkbox"/>

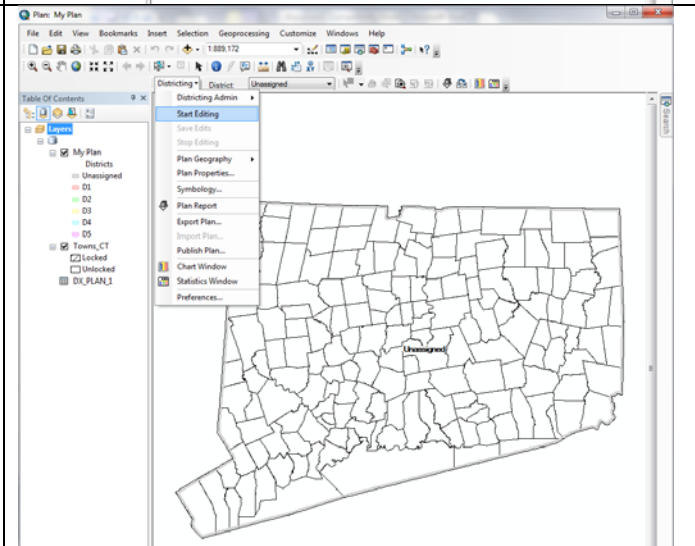
Required Fields:
Universe Field: DP0010001
Deviation Field: Rep_VR_10_DEV
Optimal Target Field: Rep_VR_10

Help Cancel < Back Next > Finish

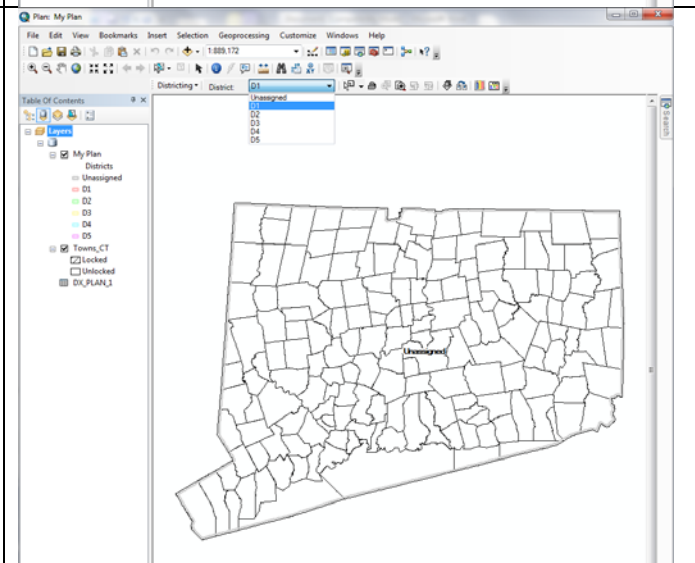
25. Now you are ready to begin creating your districts!



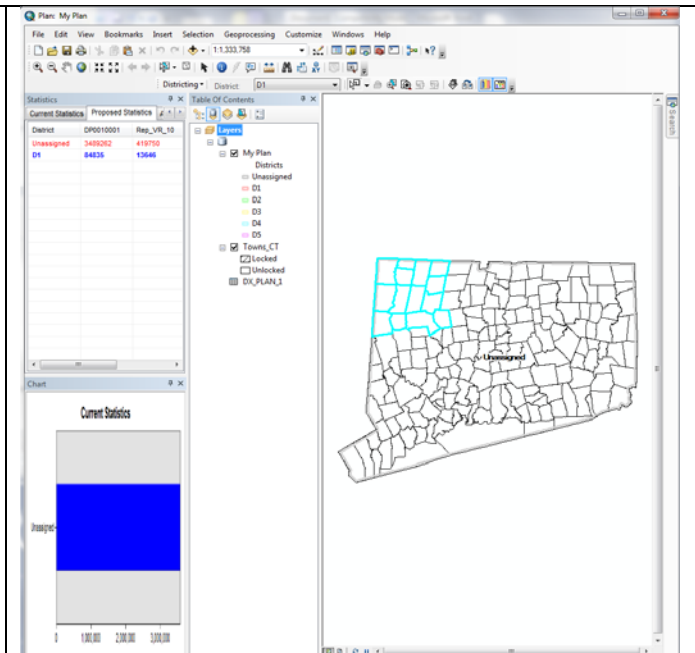
26. From the Districting Toolbar select Start Editing



27. Next select the district you want to create from the District drop-down menu



28. Add the Charts and Statistics panels to the screen by clicking the icons on the Districing Toolbar (near the end)



- 29. After you have selected your districts, right click on the selected area and click Assign Selection**
- 30. Save your project file to the same folder as your data.**
- 31. Once you are finished from the Districing toolbar select Plan Geography and then Shapefile. This will let you save a shapefile of your new districts for future mapping projects.**

